NOTE XVI.

ON A NEW COLLECTION OF BIRDS FROM SOUTH WESTERN AFRICA.

BY

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(Plate 4).

Shortly after my previous paper on South African Birds had left the press, our Museum received a new collection from Mr. van der Kellen, who seems still to stay at his head-quarters in the Colony of Boers at Humpata, in the Upper Cunene region. This recent collection contains the considerable number of 267 birds-skins, representing 103 different species, 49 of which are not contained in his former consignments and thus not mentioned in my previous list. Of these 49 species, which in this paper will be marked with an asterisk, two proof to be new to science.

All the birds are collected during the first trimester of 1888, and the only locality mentioned is Gambos, in the Upper Cunene region. The aforesaid 49 species added to those of the former consignments, the species we hitherto received from that country will reach the considerable number of 180.

1. *Aquila rapax* (Temm.). — Two females, one of which (N°. 429) has the upper surface, sides of head and neck and the breast very dark, with but few longitudinal stripes of fawn-color.

*2. *Nisaëtus spilogaster* (Dubus).

Spizaetus spilogaster, Schl. Mus. P.-B., Revue Accip. p. 59.
Nisaetus spilogaster, Sharpe, Birds S. Afr. p. 38; — Boc. Orn. d'Ang. p. 29.

Two females, one fully adult, the other somewhat younger, having the lower surface faintly, vent and thighs more strongly tinged with fulvous.

Iris yellow, bill black, cere and feet yellow.

3. *Melierax gabar* (Daud.). — Adult male and female.

4. *Astur polyzonoides* (Smith). — An immature male with some barred feathers on the chest.

5. *Cerchneis rupicola* (Daud.). — An adult male.

6. *Bubo lacteus* (Temm.). — An adult female.

7. *Bubo leucotis* (Temm.). — An adult male.

8. *Scops capensis*, Smith. — Three specimens.

9. *Noctua capensis* (Smith). — An adult female.

10. *Noctua perlata*. (Vieill.). — An adult male.

*11. *Caprimulgus europaeus*, Linn.

Sharpe, Birds S. Afr. p. 83.

An adult male.

Iris dark brown, bill and feet horn-color.

12. *Caprimulgus rufigena*, Smith. — Three females.

13. *Merops apiaster*, Linn. — Two adult males.

*14. *Coracias naevia*, Daud.

Sharpe, Birds S. Afr. p. 103; — Boc. Orn. d'Ang. p. 83.

An adult male. Iris clear brown, bill black, feet yellow.

15. *Coracias caudata*, Linn. — Four male specimens.

*16. *Ceryle rudis* (Linn.).

Sharpe, Birds S. Afr. p. 110; — Boc. Orn. d'Ang. p. 97.

An adult female.

*17. *Ceryle maxima* (Pall.).

Sharpe, Birds S. Afr. p. 111; — Boc. Orn. d'Ang. p. 98.

An adult female.

*18. *Halcyon semicoerulea* (Forsk.).

Sharpe, Birds S. Afr. p. 114; — Boc. Orn. d'Ang. p. 102.

Two adult and two immature specimens. All four differ from any other specimen of this species from more northern parts of Africa, especially by the gray color on head and neck, which is not tinged with fulvous, by the deep, nearly purplish blue on back, wings and tail, without any greenish tinge, and by the very pale rusty color on abdomen and under tail-coverts, while those parts are reddish brown in all the birds from more northern localities.

Iris brown, bill red, feet dull red.

19. *Halcyon cyanoleuca* (Vieill.). — Four males.

*20. *Lophoceros alboterminatus*, n. sp.

An adult male and two adult females, all three collected in February.

Adult male: Entirely similar to *L. melanoleucus*, as far as I can judge from a comparison with the descriptions of the latter, which is wanting in our collections; but differing constantly from it by its centre pair of tail-feathers being tipped with white in the same degree as the outermost pair. In looking through the rich literature of *L. melanoleucus*, I find only one place (Boehm, J. f. O. 1883, p. 168), where white-tipped centre tail-feathers are mentioned [1]). Wing 25,4 cm.

1) Professor Barboza du Bocage kindly informed me that in all the 8 specimens of *L. melanoleucus* at his disposal the innermost pair of tail-feathers is entirely black.

tail 23,5, bill in straight line from forehead 10, tarsus 3,8.

Adult female: Similar to the male, but remarkably smaller. Wing 23 cm., tail 23, bill 8,3, tarsus 3,4.

Iris brown, bill coral-red, a basal edge paler, feet black.

*21. *Lophoceros elegans* (Hartl.).

Tockus flavirostris, Sharpe, Birds S. Afr. p. 130; — Boc. Orn. d'Ang. p. 119.
Lophoceros elegans, Shelley, Ibis 1888, p. 68.

Two males collected. Iris brown, bill yellow, feet black.

22. *Lophoceros erythrorhynchus* (Gm.).

Tockus erythrorhynchus, Bütt. N. L. M. 1888, p. 221.

Two males.

23. *Lophoceros epirhinus* (Sund.).

Tockus nasutus, Bütt. N. L. M. 1888, p. 221.
Lophoceros epirhinus, Shelley, Ibis 1888, p. 64.

An adult male.

24. *Upupa africana*, Bechst. — Adult male and female.

25. *Irrisor erythrorhynchus* (Lath.). — Three specimens.

26. *Irrisor cyanomelas* (Vieill.). — Six specimens.

27. *Cuculus gularis*, Steph. — Adult male.

28. *Coccystes jacobinus* (Bodd.). — A male specimen.

*29. *Chrysococcyx cupreus* (Bodd.).

Sharpe, Birds S. Afr. p. 153; — Boc. Orn. d'Ang. p. 143.

Several specimens. Iris red, in immature birds pale brown, bill and feet black.

30. *Indicator major*, Steph. — An adult female.

31. *Indicator minor*, Steph. — An adult male.

*32. *Prodotiscus regulus*, Sund.

Sharpe, Birds S. Afr. p. 171; — Boc. Orn. d'Ang. p. 542.

An adult male. Iris dark brown, bill and feet black.

33. *Pogonorhynchus torquatus* (Dumont). — An adult female.

34. *Campothera bennettii* (Smith). — Adult and immature male; the latter almost identical with the specimen mentioned in my first paper on Birds from S. W. Africa.

35. *Campothera smithii* (Malh.). — Adult male and female.

36. *Mesopicus namaquus* (Licht.). — Three females.

37. *Dendropicus cardinalis* (Gm.). — Seven specimens.

*38. *Agapornis roseicollis* (Vieill.).

Sharpe, Birds S. Afr. p. 192. — Boc. Orn. d'Ang. p. 73.

Several males and females. Iris brown, bill greenish white, feet horny.

*39. *Psittacus fuscicollis*, Kuhl.

Boc. Orn. d'Ang. p. 70.

An adult male. Iris brown, bill and feet pale gray.

*40. *Psittacus rueppellii*, Gray.

Sharpe, Birds S. Afr. p. 196; — Boc. Orn. d'Ang. p. 67.

Several adult males and females. Iris orange red, bill and feet dark gray.

*41. *Hypolais icterina* (Müll.).

Sharpe, Birds S. Afr. p. 295; — Boc. Orn. d'Ang. p. 556.

Adult female. Iris brown, bill horny, feet bluish gray.

42. *Turdus litsitsirupa*, Smith. — Five specimens, males and females, none of them tinged with salmon-red; all collected in February, thus at about the same time of the year as the former, salmon-colored specimens.

*43. *Erythropygia munda* (Cab.).

Sharpe, Birds S. Afr. p. 821; id. Cat. Birds Br. Mus. VII, p. 76. *Aedon leucophrys*, Boc. Orn. d'Ang. p. 275.

An adult and a somewhat younger male. Iris brown, bill horny brown, lower mandible whitish at base, feet pale brown.

44. *Pycnonotus layardi*, Gurney. — An adult female.

45. *Chlorocichla occidentalis*, Sharpe. — Four specimens. No difference between adult male and female.

*46. *Phyllostrophus fulviventris*, Cab.

Sharpe, Birds S. Afr. p. 814; — Boc. Orn. d'Ang. p. 248.

Two adult females. — Iris dark brown, bill horny, feet bluish gray.

*47. *Crateropus melanops*, Hartl.

Sharpe, Birds S. Afr. p. 251; — Boc. Orn. d'Ang. p. 214.

Two adult females. — Iris dark brown, bill and feet black.

48. *Aethocichla gymnogenys* (Hartl.).

Sharpe, Birds S. Afr. p. 215; — id. Cat. Birds Br. Mus. VII, p. 484, pl. 12. *Crateropus gymnogenys*, Boc. Orn. d'Ang. p. 253.

Five specimens, males and females.

The adult of both sexes have throat and fore-neck plain white; the dusky cross-bars on throat and fore-neck, mentioned by Mr. Sharpe, being found on specimens only, which have not fully assumed the adult stage.

Iris dark brown, bill and feet black.

*49. *Camaroptera brevicaudata*, Sund.

Boc. Orn. d'Ang. p. 280; — Sharpe, Cat. Birds Br. Mus. VII, p. 168.

Two males. Iris of one said to be dark brown, the other orange-red, bill blackish, feet horny.

50. *Cinnyris gutturalis* (Linn.). — Several males and females.

*51. *Cinnyris leucogaster* (Vieill.).

Nectarinia talatala, Sharpe, Birds S. Afr. p. 318; — Boc. Orn. d'Ang. p. 172. *Cinnyris leucogaster*, vid. Shelley, Nectariniidae, p. XXXIX.

An adult male. Iris dark brown, bill and feet black.

52. *Parus niger*, Vieill. — An adult male.

53. *Batis molitor*, Sharpe.

Sharpe, Birds S. Afr. p. 348, pl. X, f. 1; — Boc. Orn. d'Ang. p. 198. *Batis pririt*, Bütt. N. L. M. 1888, p. 232.

In my above quoted first paper on S. W. African Birds I by mistake mentioned the specimens of *Batis*, two males only, under the name of *B. pririt*. Having this time got a female of *molitor*, I found that the specimens in the former collection belong also to this species. The iris of the present female is said to be yellow.

54. *Laniotur dus torquatus*, Waterh. — Young specimens have all the quills strongly tipped with white, and the iris is said to be brown.

55. *Terpsiphone cristata* (Linn.). — Three adult females.

56. *Lanius minor* (Gm.). — Five specimens.

57. *Lanius collurio*, Linn. — Male and female.

58. *Urolestes melanoleucus* (Jard. & Selby). — Male and female.

59. *Laniarius sulphureipectus*, Less. — Two males.

60. *Laniarius atrococcineus*, Burch. — Six specimens.

61. *Dryoscopus guttatus*, Hartl. — Three females, all with some remains of immature plumage, and the outermost pair of tail-feathers tipped with white.

Observation: A re-examination of the specimens mentioned in my first paper on Birds from Mr. van der Kellen,

showed that in the specimen mentioned as having only two secondaries edged with white, this is only the case on the right wing, probably on account of the white edge of the third secondaries being worn off.

At this place may be mentioned as a peculiarity that in one of the immature specimens of *D. major*, collected by the late Governor Nagtglas on the Gold Coast, *three* secondaries are distinctly edged with white.

62. *Dryoscopus cubla* (Levaill.). — Two specimens. The young male and female, described in my last report, p. 234 and 235 as belonging to this species, belong to *Nilaus brubru*.

*63. *Nilaus brubru* (Lath.).

Sharpe, Birds S. Afr. p. 397; — Boc. Orn. d'Ang. p. 220.

Five specimens in different stages of plumage. Both the young specimens, mentioned in my previous paper (N. L. M. 1888, p. 234) under the name of *Dryoscopus cubla*, belong to this present species.

Iris dark brown, bill black, feet bluish gray.

*64. *Campephaga nigra*, Vieill.

Sharpe, Birds S. Afr. p. 398; — Boc. Orn. d'Ang. p. 206.

Three immature males with the plumage above and below strongly intermixed with glossy greenish black feathers, and a female with a more olive-yellow coloration and showing no intention to become black. Iris in all the specimens dark brown, bill and feet black.

65. *Eurocephalus anguitimens*, Smith. — Five specimens.

66. *Bradyornis murina*, Finsch & Hartl.

Finsch & Hartl. Vög. O. Afr. p. 866; — Boc. Orn. d'Ang. p. 210; — Sharpe, Birds S. Afr. p. 844.

Bradyornis oatesi, Sharpe, in Oates' Matabele Land, p. 314, pl. B; — Bütt. N. L. M. 1888, p. 236.

Two adult females and an immature male, both the

first not differing from the specimens mentioned in my above cited first paper. A comparison of the specimens at hand with a fine specimen of *B. murinus*, kindly sent me by Prof. Barboza du Bocage, convinced me of the identity of both species. An immature male (N°. 408) differs from that of the following species by its superior size and stouter bill, and it has, moreover, the outer edge of the quills much paler than the latter.

*67. *Bradyornis mariquensis*, Smith.

Sharpe, Birds S. Afr. p. 401; — Boc. Orn. d'Ang. p. 209.

Three adult and two immature females. Outer edge of quills, especially in immature birds, darker, i. e. more rufous than those of the preceding species. The edges in the figure of the young bird on plate 113 in Smith's Zool. S. Afr. are decidedly too pale.

Iris brown, bill black, feet blackish brown.

68. *Prionops talacoma*, Smith. — Three adult females. Iris yellow, bill black, feet red.

69. *Oriolus notatus*, Peters. — An adult male and four females in different stages of plumage.

*70. *Buphaga africana*, Linn.

Sharpe, Birds S. Afr. p. 418; — Boc. Orn. d'Ang. p. 299.

An adult female. Iris blood-red, bill yellow, tip blood-red, feet black.

71. *Dilophus carunculatus* (Gm.). — A series of adult and immature specimens of both sexes. Iris of all brown, bare parts on the head of adult male black, except the occiput, which is yellow (v. d. K.).

*72. *Lamprotornis mewesi* (Wahlb.).

Sharpe, Birds S. Afr. p. 423; — Boc. Orn. d'Ang. p. 303.

Two adult specimens. Iris dark brown, bill and feet black.

*73. *Pholidauges verreauxii*, Boc.

Sharpe, Birds S. Afr. p. 428; — Boc. Orn. d'Ang. p. 314, pl. V.

A large number in different stages of plumage.

*74. *Ploceus velatus*, Vieill.

Hyphantornis velata, Sharpe, Birds S. Afr. p. 439; — Boc. Orn. d'Ang. p. 325.

Two adult and an immature male. Iris in the adult males orange, in the immature dark brown, bill in all black, feet flesh-color.

*75. *Textor erythrorhynchus*, Smith.

Sharpe, Birds S. Afr. p. 445; — Boc. Orn. d'Ang. p. 317.

Adult males and females. Iris brown, bill and feet red.

*76. *Hypochera chalybeata*, P. L. S. Müll.

Hypochera ultramarina, Sharpe, Birds S. Afr. p. 457.
Hypochera nitens, Boc. Orn. d'Ang. p. 348.
Hypochera chalybeata, Shelley, Ibis 1886, p. 338.

Three adult males, all with bluish gloss. Iris dark brown, bill and feet red.

*77. *Quelea quelea* (Linn.).

Sharpe, Birds S. Afr. p. 458; — Shelley, Ibis 1886, p. 356.
Ploceus sanguinirostris, Boc. Orn. d'Ang. p. 320.

An adult female. Iris brown, bill pale horny, feet yellowish horn-color.

*78. *Coliopasser albonotatus* (Cass.).

Penthetria albonotata, Sharpe, Birds S. Afr. p. 460; — Boc. Orn. d'Ang. p. 342.
Coliuspasser albonotatus, Shelley, Ibis 1886, p. 348.

An adult male. Iris dark brown, bill bluish horny, feet black.

79. *Pyromelana oryx* (Linn.). — Two females. Iris brown, bill and feet horny.

*80. *Pyromelana taha* (Smith).

Sharpe, Birds S. Afr. p. 465.
Euplectes taha, Boc. Orn. d'Ang. p. 338.

Adult male. Iris dark brown, bill black, lower mandible flesh-color, feet flesh-color.

*81. *Pytilia melba* (Linn.).

Sharpe, Birds S. Afr. p. 468; — Boc. Orn. d'Ang. p. 355.

An adult and an immature male, the latter like the adult male, but no scarlet on head and throat, which are uniform gray; chest uniform with the breast, instead of golden green. Iris and bill in both specimens red, feet flesh-color.

*82. *Passer diffusus*, Smith.

Sharpe, Birds S. Afr. p. 480; — Boc. Orn. d'Ang. p. 364.

Two males. Iris dark brown, bill black, feet horny.

*83. *Fringillaria flaviventris* (Vieill.).

Sharpe, Birds S. Afr. p. 491; — Boc. Orn. d'Ang. p. 370.

An adult male. Iris dark brown, bill and feet horny.

*84. *Mirafra apiata* (Vieill.).

Sharpe, Birds S. Afr. p. 515; — Boc. Orn. d'Ang. p. 375.

An adult male. Iris brown, bill and feet horny.

*85. *Mirafra cheniana*, Smith.

Sharpe, P. Z. S. 1874, p. 644; id. Birds S. Afr. p. 528.

An adult female. Three outermost pairs of tail-feathers white, inner web broadly margined with earthy brown; in the subsequent pair the whole outer web only is pure white, and the feathers of the third pair are but narrowly edged with white on the outer web. Iris brown, bill horn-color, feet flesh-color.

*86. *Anthus* sp.?

A moulting male specimen, which cannot be determined with certainty, having the wings incomplete.

87. *Treron calva* Temm. — Six specimens, all fully adult.

88. *Oena capensis* (Linn.). — Two adult males. Iris brown, bill dark red, paler at tip, feet red.

*89. *Pternistes rubricollis* (Gm.).

Sharpe, Birds S. Afr. p. 589; — Boc. Orn. d'Ang. p. 400.

Fully adult male and female. Iris brown, bill, naked parts on head and throat, and feet red.

*90. *Francolinus jugularis*, n. sp.

(Plate 4).

Adult male and female, Gambos, 25 February 1888.

This species, which I in vain tried to identify with any other known to me, is very similar to *F. gariepensis*, but may be easily distinguished by the black chest, each feather of which has a subterminal cordiform spot of white, in the same degree as this is the case throughout the whole lower surface of *F. lathami*. Moreover the whole upper surface has a grayer tinge, and the cross-bars are narrower, fainter and are rather mere vermiculations than real cross-bars.

Ad. ♂. Whole upper surface brownish gray; the feathers on head and hind neck with broad dark brown or even blackish centres, those of the back and upper wing-coverts irregularly blotched with dark brown, narrowly vermiculated with buff and, especially the scapulars and interscapulary feathers, broadly striped with fulvous or white shaft-streaks.

The outer pairs of tail-feathers are uniform earthy brown, the innermost ones and the upper tail-coverts are vermiculated in the same way as the back. The primary coverts

and the terminal half of the primaries are uniform earthy brown, the basal half of the latter shaded with vinous red, and also are the larger under wing-coverts. Like *F. gariepensis* this species is characterized by two bands of white and black feathers, the one running through the eye to the base of the neck, following the sides of occiput and hind neck, the other beginning at the base of the bill and encircling the pure white chin and throat. Both bands, bordering form above and below the fulvous ear-coverts and sides of neck, terminate into a broad black jugular patch, as is the case in *F. levaillanti*. Each feather of this jugular patch has a white cross-bar near the base and a large and very salliant cordiform subterminal spot of the same color. The rest of the lower surface is white with a strong tinge of buff, with very large black blotches on the breast. In *F. gariepensis* these blotches are brown. Most of the very long feathers of the flanks are reddish brown on the inner vane and barred with gray on the outer one, both parts being separated by a broad white shaft-streak. Thighs faintly tinged with vinous, uniform, vent and under tail-coverts faintly barred with grayish brown. Lower surface of tail-feathers earthy brown, like the quills. Iris reddish brown, bill horny gray, feet yellow.

The female is similar to the male, the spur however is wanting.

	Wing	tail	tarsus	culmen
♂	15.4	6.8	3.5	3 cm.
♀	15.2	6.5	3.5	2.8 »

*91. *Porphyrio alleni* (Thomps.).

Boc. Orn. d'Ang. p. 485; — Sharpe, Birds S. Afr. p. 621.

An adult female. Iris brown, bill and feet red.

*92. *Glareola melanoptera*, Nordm.

Sharpe, Birds S. Afr. p. 650.

Two adult males and two females. The males have chest and breast strongly tinged with ochre, which is not the

case in the females. Iris brown, bill black, gape orange-red, feet black.

93. *Cursorius senegalensis* (Licht.). — Adult male and female.

*94. *Cursorius chalcopterus*, Temm.

Boc. Orn. d'Ang. p. 420; — Sharpe, Birds S. Afr. p. 656.

An adult male. Iris brown, bill orange-red, culmen and tip black, feet red.

*95. *Charadrius asiaticus*, Pall.

Boc. Orn. d'Ang. p. 430.
Eudromias asiaticus, Sharpe, Birds S. Afr. p. 665.

A female. Iris brown, bill horny black, feet greenish brown.

*96. *Chettusia coronata* (Gm.).

Boc. Orn. d'Ang. p. 426; — Sharpe, Birds S. Afr. p. 670.

Four adult males and one female. Iris pale brown, basal half of bill red, terminal half black, feet red.

97. *Actitis hypoleucos* (Linn.). — Two specimens.

*98. *Ciconia episcopus* (Bodd.).

Boc. Orn. d'Ang. p. 452; — Sharpe, Birds S. Afr. p. 731.

An adult female. Iris yellow, bill red and black, feet black.

99. *Ciconia abdimii*, Licht. — An adult male.

*100. *Ardea rufiventris*, Sund.

Boc. Orn. d'Ang. p. 441; — Sharpe, Birds S. Afr. p. 713.
Ardea semirufa, Schleg. Mus. P.-B., Ardeae, p. 35.

An adult male. Iris yellow, bill pale horny, tip black, feet yellow.

*101. *Butorides atricapilla* (Afzel.).

Boc. Orn. d'Ang. p. 446; — Sharpe, Birds S. Afr. p. 719.

An adult male. Iris yellow, bill black, yellow underneath the lower mandible, feet yellow.

*102. *Sarcidiornis africana*, Eyton.

Boc. Orn. d'Ang. p. 496; — Sharpe, Birds S. Afr. p. 752.

Adult male and female. Iris dark brown, bill and feet black.

*103. *Graculus africanus* (Gm.).

Boc. Orn. d'Ang. p. 522.
Phalacrocorax africanus, Sharpe, Birds S. Afr. p. 781.

An adult male. Iris red, bill horny, feet black.

Th. v. Hoytema ad nat. del. et lith. P.W.M.Trap impr.

Francolinus jugularis *Bütt.*